

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

On page 2 of the specification, please amend lines 18 – 22 as shown below:

One object of the invention is to provide a method for production of three- dimensional bodies where the manufacturing process for the three- dimensional body can be rendered more effective for reduction of manufacturing times. This object is achieved by a method for production of three-dimensional bodies by successive fusing together of selected areas of a powder bed, which parts correspond to successive cross sections of the three-dimensional body. An embodiment of such a method may include the steps of: application of powder layers to a work table, supplying energy from a radiation gun according to an operating scheme determined for the powder layer to the selected area within the powder layer, and fusing together that area of the powder layer selected according to the operating scheme for forming a cross section of the three-dimensional body. A three-dimensional body may thus be formed by successive fusing together of successively formed cross sections from successively applied powder layers. Further embodiments of such a method may employ energy supply paradigms and/or operating schemes such that the selected area has two or more fusion zones which propagate simultaneously through the selected area when formation of a cross section of the three-dimensional body takes place an arrangement according to the characterizing part of patent claim 1.

On page 6 of the specification, please amend lines 20 - 24 as shown below:

fig. 23 shows a diagrammatic construction of a three-dimensional article, and

fig. 24 shows a number of cross sections from figure 23, and

fig. 25 shows an embodiment of a function used for a heat transfer coefficient.

On page 14 of the specification, please amend lines 10 – 14 as shown below:

The function used for hpow(j) ~~looks like this:~~ is depicted in fig. 25.

~~<graph of function occupying lines 11 – 13>~~

The values L1 and L2 have been assumed to be area-independent while